

CATALYSIS BY WATER-SOLUBLE ORGANOMETALLIC COMPLEXES IN  
WATER-IN-DENSIFIED FLUID MICROEMULSIONS

ABSTRACT OF THE DISCLOSURE

[0042] A microemulsion containing water, a densified fluid, a surfactant, and an organometallic catalyst is used to catalyze chemical reactions. The organometallic catalyst preferably has substantial solubility in the water phase of the microemulsion. Separation of reaction products from the microemulsion is facilitated by removal of the densified fluid.